



79. (Twice Amended) A method for producing coal seam gas from a coal seam comprising:

forming a drainage pattern in a coal seam, the drainage pattern comprising a plurality of auxiliary drainage bores extending from, and arranged in substantially equal and parallel spacing on opposite sides of, a main drainage bore such that the drainage pattern provides substantially uniform coverage of a selected area of the coal seam in which the drainage pattern is located; and

simultaneously removing water and coal seam gas substantially uniformly from the selected area of the coal seam through the drainage pattern.

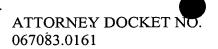
- 80. The method of Claim 79, wherein the a main bore is substantially horizontal.
- 81. The method of Claim 80, wherein the auxiliary drainage bores are generally symmetrically arranged on each side of the central bore.



- 82. (Amended) The method of Claim 79, wherein the selected area of the coal seam has relatively equal length to width ratios.
- 83. The method of Claim 79, wherein the drainage pattern comprises a substantially horizontal pattern.
- 84. The method of Claim 79, further comprising forming an enlarged diameter cavity, the drainage pattern extending from the enlarged diameter cavity; and

simultaneously producing water and coal seam gas from the coal seam through the enlarged diameter cavity.

- 85. The method of Claim 84, wherein the enlarged diameter cavity comprises a diameter of approximately eight feet.
- 86. The method of Claim 79, wherein the auxiliary drainage bores are progressively shorter as they progress away from a surface well bore.





87. (Twice Amended) A method for producing formation gas from a gas bearing formation, comprising:

forming a drainage pattern in a gas bearing formation, the drainage pattern comprising a plurality of auxiliary drainage bores extending from, and arranged in substantially equal and parallel spacing on opposite sides, a main drainage bore such that the drainage pattern provides substantially uniform coverage of a selected area of the gas bearing formation in which the drainage pattern is located; and

simultaneously moving water and formation gas substantially uniformly from the selected area of the gas bearing formation.

- 88. The method of Claim 87, wherein the a main bore is substantially horizontal.
- 89. The method of Claim 88, wherein the auxiliary drainage bores are generally symmetrically arranged on each side of the central bore.



- 90. (Amended) The method of Claim 87, wherein the selected area of the gas bearing formation has equal length to width ratios.
- 91. The method of Claim 87, wherein the drainage pattern comprises a substantially horizontal pattern.
- 92. The method of Claim 87, further comprising forming an enlarged diameter cavity, the drainage pattern extending from the enlarged diameter cavity; and

simultaneously producing water and formation gas from the gas bearing formation through the enlarged diameter cavity.

93. The method of Claim 92, wherein the enlarged diameter cavity comprises a diameter of approximately eight feet.

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- 94. The method of Claim 87, wherein the auxiliary drainage bores are progressively shorter as they progress away from a surface well bore.
- 95. The method of Claim 87, wherein water and formation gas are produced from a substantially quadrilateral area of the gas bearing formation.
- 96. The method of Claim 87, wherein the drainage pattern provides substantially uniform coverage of an area of the gas bearing formation.